

**COMBINED DECLARATION AND POWER OF ATTORNEY**  
(Original, Design, National Stage of PCT or CIP Application)

As below named inventors, We hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names; We believe We are the original, first and sole inventors (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD AND APPARATUS FOR PREPARING NITRIDE SEMICONDUCTOR SURFACES**

the specification of which: (complete (a), (b) or (c) for type of application)

Regular or Design Application

(a) ☐ is attached hereto

(b) ☒ was filed on June 22, 2001 as Application Serial No.

09/877,777 and as amended on \_\_\_\_\_ (if applicable)

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ORIGINALLY FILED  
02/11/02



PCT Filed Application Entering National Stage

(c) ☐ was described and claimed in International Application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended on \_\_\_\_\_ (if applicable)

**Acknowledgment of Review of Papers and Duty of Candor**

We hereby state that We have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the patentability of the subject matter claimed in this application in accordance with Title 37, Code of Federal Regulations § 1.56

☐ In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97.

**Priority Claim**

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed (complete (d) or (e))

(d) ☒ no such applications have been filed

(e) ☐ such applications have been filed as follows:

PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION			
COUNTRY APPLICATION NO.	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED UNDER 37 USC 119
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
ALL FOREIGN APPLICATION[S], IF ANY, FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION			
			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>

Docket No 9138-60

**Claim for Benefit of Prior U.S. Provisional Application(s)**

We hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application Number	Filing Date
60/213,149 /	June 22, 2000
/	

**Continuation-In-Part**

(complete this part only if this is a continuation-in-part application)

We hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information as defined in Title 37, Code of Federal Regulations, § 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pending, abandoned)

**Power of Attorney**

As named inventors, We hereby appoint Thomas D. MacBlain, Reg. No. 24,583, Kittie Murray, Reg. No. 30,346, John Titus, Reg. No. 39,047, Paul Burns, Reg. No. P47,463, Cindy Huang, Reg. No. P47,667, and Rennie Dover, Reg. No. 36,503, of the firm of GALLAGHER & KENNEDY, with offices at 2575 East Camelback Road, Phoenix, Arizona 85016 as attorneys and agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

**SEND CORRESPONDENCE TO:**

Thomas D. MacBlain  
GALLAGHER & KENNEDY  
2575 East Camelback Road  
Phoenix, AZ 85016

**DIRECT TELEPHONE CALLS TO:**

GALLAGHER & KENNEDY  
(602) 530-8088

OCT 2001  
 I hereby declare that all statements made herein of our own knowledge are true and that all statements made in information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR	LAST NAME Doak	FIRST NAME R. Bruce	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY Tempe	STATE OF FOREIGN COUNTRY Arizona	COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 2130 East Knox Road	CITY Tempe	STATE OF COUNTRY AZ	ZIP CODE 85284
DATE 10/1/01	SIGNATURE OF INVENTOR <i>R. Doak</i>			
FULL NAME OF SECOND JOINT INVENTOR, IF ANY	LAST NAME Burns	FIRST NAME Christopher	MIDDLE NAME T.	
RESIDENCE & CITIZENSHIP	CITY Santa Barbara	STATE OF FOREIGN COUNTRY California	COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 471 Via El Encantador	CITY Santa Barbara	STATE OF COUNTRY CA	ZIP CODE 93111
DATE	SIGNATURE OF INVENTOR			
FULL NAME OF THIRD JOINT INVENTOR, IF ANY	LAST NAME Jordan	FIRST NAME Dirk	MIDDLE NAME C.	
RESIDENCE & CITIZENSHIP	CITY Tempe	STATE OF FOREIGN COUNTRY Arizona	COUNTRY OF CITIZENSHIP U.S.A.	
POST OFFICE ADDRESS	POST OFFICE ADDRESS 1623 E. Palmcroft Drive	CITY Tempe	STATE OF COUNTRY AZ	ZIP CODE 85282
DATE 10/5/01	SIGNATURE OF INVENTOR <i>Dirk Jordan</i>			

Check proper box(es) for any added page(s) forming a part of this declaration

- ☐ Signature for ninth and subsequent joint inventors. Number of pages added \_\_\_\_\_
- ☐ Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor  
 Number of pages added \_\_\_\_\_
- ☐ Signature for inventor who refuses to sign, or cannot be reached, by person authorized under 37 CFR 1.47.  
 Number of pages added \_\_\_\_\_

00887777-021102

Attorney Docket No. 9138-UU60

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

R. BRUCE DOAK, DIRK C.  
JORDAN, and CHRISTOPHER  
T. BURNS

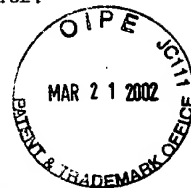
Serial No.: 09/887,777

Filed: June 22, 2001

Title: Method And Apparatus For  
Preparing Nitride Semiconductor  
Surfaces

Group Art Unit: 1621

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ORIGINALLY FILED  
02/04/02



## JOINT INVENTORS DECLARATION RE NONSIGNING INVENTOR

As below-named joint inventors, we hereby declare that:

We are joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled Method and Apparatus for Preparing Nitride Semiconductor Surfaces, U.S. Patent and Trademark Office Serial No. 09/887,777, filed June 22, 2001

We declare that diligent efforts have been made on our behalf and our intended assignee, Arizona State Board of Regents to ascertain the whereabouts of, and communicate with co-inventor, Christopher T. Burns. Attempts to reach co-inventor Christopher T. Burns at his last known address 471 Via El Encantador, Santa Barbara, California 93111, United States of America, for the purpose of having him execute a Combined Declaration and Power of Attorney in relation to this application have proved unsuccessful.

966708/9138.0060

Title: Method and Apparatus for Preparing ...Surfaces  
Serial No.: 09/887,777  
Inventor(s): Doak, et al.  
Page 2 of 2


Docket No. 9138-0060

Pursuant to 37 CFR §1.47, we respectfully request consideration of this patent application on behalf of nonsigning joint inventor, Christopher T. Burns and ourselves. A Declaration and Power of Attorney executed by us, the joint inventors, copy attached, is being filed simultaneously with a petition for consideration in the U.S. Patent and Trademark Office.

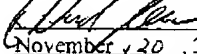
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

### Signatures

Full name of first joint inventor: R. Bruce Doak

Inventor's signature:   
Date: November 8, 2001  
Country of Citizenship: United States of America  
Residence (City & State): 2130 East Knox Road  
Post Office Address: Tempe, Arizona 85284, U.S.A.

Full name of second joint inventor: Dirk C. Jordan

Inventor's signature:   
Date: November 20, 2001  
Country of Citizenship: United States of America  
Residence (City & State): 1623 E. Palmcroft Drive  
Post Office Address: Tempe, Arizona 85282, U.S.A.